



IDAHO DEPARTMENT
OF HEALTH AND WELFARE

DIVISION OF
ENVIRONMENTAL QUALITY

1410 North Hilton, Boise, ID 83706-1255, (208) 334-0502

Philip E. Batt, Governor

April 4, 1997

CERTIFIED MAIL #P 875 705 107

Ron Mahan
Koch Materials Company
P.O. Box 15308
Boise, Idaho 83715

RE: Koch Materials Company (Boise) - #9507-117-2
Tier II Operating Permit (#001-00049)

Dear Mr. Mahan:

On July 31, 1995, the Division of Environmental Quality (DEQ) received Koch Materials Company's Tier II Operating Permit (OP) application forms. On August 30, 1995, that application was determined to be complete. On February 16, 1996, a proposed Tier II OP was issued for public comment. The public comment period was from March 1, 1996, through April 1, 1996. No comments were received.

Based on review of your application, and state and federal rules and regulations, DEQ finds this project meets the Provisions of IDAPA 16.01.01.400 (Rules for the Control of Air Pollution in Idaho). Therefore, enclosed is your Tier II OP (#001-00049) for the emission sources that exist at the facility.

You, as well as any other entity, may have the right to appeal this final agency action pursuant to the Idaho Department of Health and Welfare Rules, Title 5, Chapter 3, "Rules Governing Contested Case Proceedings and Declaratory Rulings," by filing a petition with the Hearings Coordinator, Department of Health and Welfare, Administrative Procedures Section, 450 West State Street - 10th Floor, Boise, Idaho 83720-5450, within thirty-five (35) days of the date of this decision.

Please be advised that this Tier II OP is subject to permit application fees of five hundred dollars (\$500.00) in accordance with IDAPA 16.01.01.470. IDAPA 16.01.01.470 became effective on March 7, 1995. Information regarding the permit application fees will be sent to you shortly.

If you have any questions regarding the terms or conditions of the enclosed permit, please contact Martin Bauer, Chief, Air Quality Permitting Bureau, at (208) 373-0502.

Sincerely,

Orville D. Green
Assistant Administrator
Air & Hazardous Waste

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Enclosure

cc: S. West, Boise Regional Office
Source File
COF

STATE OF IDAHO
AIR POLLUTION
OPERATING PERMIT
GENERAL INFORMATION

PERMIT NUMBER

001 - 00049

AQCR

064

CLASS

A2

SIC

2951

ZONE

11

UTM COORDINATE (km)

565 3 4823 7

1. PERMITTEE
Koch Materials Company

2. PROJECT
Tier II Operating Permit

3. MAILING ADDRESS
P.O. Box 15308

TELEPHONE #
(208) 345-2538

COUNTY
Ada

4. CITY
Boise

STATE
Idaho

ZIP CODE
83715

5. PERSON TO CONTACT
Ron Mahan

TITLE
Plant Manager

6. EXACT PLANT LOCATION
4303 Gekeler Lane

7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS
Asphalt/Asphalt Emulsions/Cutback Asphalt

8. GENERAL CONDITIONS

This permit is issued according to the Rules for the Control of Air Pollution in Idaho, Section 16.01.01.400 and pertains only to emissions of air contaminants which are regulated by the State of Idaho and to the sources specifically allowed to be operated by this permit.

THIS PERMIT HAS BEEN GRANTED ON THE BASIS OF DESIGN INFORMATION PRESENTED IN THE APPLICATION AND THE DEPARTMENT OF HEALTH AND WELFARE, DIVISION OF ENVIRONMENTAL QUALITY'S (DEQ) TECHNICAL ANALYSIS OF THE SUPPLIED INFORMATION. CHANGES IN DESIGN OR EQUIPMENT, THAT RESULT IN ANY CHANGE IN THE NATURE OR AMOUNT OF EMISSIONS, MAY BE A MODIFICATION. MODIFICATIONS ARE SUBJECT TO DEQ REVIEW IN ACCORDANCE WITH Section 16.01.01.200 OF THE Rules for the Control of Air Pollution in Idaho.

William D. Green
ASSISTANT ADMINISTRATOR
DIVISION OF ENVIRONMENTAL QUALITY

ISSUED APRIL 4, 1997
Date

EXPIRES APRIL 4, 2002
Date

AIR POLLUTION OPERATING PERMIT

PERMIT NUMBER

Permittee AND LOCATION

Koch Materials Company
Tier II Operating Permit
Boise, Idaho

001 - 00049

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

General Plant - Hazardous Air Pollutants

1. EMISSION LIMITS

Emissions of Hazardous Air Pollutants (HAPs) shall not exceed eight (8) tons per year of any one HAP or twenty (20) tons per year of all HAPs combined.

Compliance with these limits will be based on compliance with the VOC limits listed in Appendix A.

ISSUED: APRIL 4, 1997
EXPIRES: APRIL 4, 2002

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AIR POLLUTION OPERATING PERMIT

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Koch Materials Company
Tier II Operating Permit
Boise, Idaho

001 - 00049

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SOURCE

Fuel Burning Equipment, Boilers, and Hot Oil Heater

1. EMISSION LIMITS

1.1 Particulate Matter (PM)

1.1.1 The particulate matter (PM) emission from each boiler stack and hot oil heater stack shall not exceed 0.015 grains per dry standard cubic foot of effluent gas adjusted to three percent (3%) oxygen by volume when natural gas is combusted in accordance with IDAPA 16.01.01.677.

1.1.2 The particulate matter (PM) emission from each boiler stack and hot oil heater stack shall not exceed .05 grains per dry standard cubic foot of effluent gas adjusted to three percent (3%) oxygen by volume when #1 or #2 fuel oil is combusted in accordance with IDAPA 16.01.01.677.

1.2 Volatile Organic Compounds (VOC)

Emissions of volatile organic compounds (VOCs) emanating from each boiler stack and hot oil heater stack shall not exceed any corresponding emission limit listed in Appendix A of this permit.

1.3 Visible Emissions

Visible emissions from each exhaust stack shall not exceed twenty percent (20%) opacity over a period or periods aggregating more than three (3) minutes in any sixty (60) minute period in accordance with IDAPA 16.01.01.625. Opacity shall be determined using DEQ's "Procedures Manual for Air Pollution Control."

2. OPERATING REQUIREMENTS

2.1 The Permittee shall install, maintain, and operate the boilers and hot oil heater according to the manufacturer's specifications.

2.2 The Permittee shall not use any distillate oil (#1 or #2 fuel oil) containing more than 0.5 percent sulfur by weight in accordance with IDAPA 16.01.01.728.

2.3 Fuel Usage

The maximum amount of natural gas combusted in the Kewanee Boilers shall not exceed 13,400 standard cubic feet per hour (scf/hr) for each unit. The maximum amount of natural gas combusted in the Cleaver-Brooks Hot Oil Heater shall not exceed 6,000 scf/hr. The annual natural gas combusted shall not exceed 117,400,000 scf/yr for each boiler and 52,560,000 scf/yr for the hot oil heater.

The maximum amount of #1 or #2 fuel oil combusted in the Kewanee Boilers shall not exceed 885,917 gallons for each boiler.

ISSUED: APRIL 4, 1997
EXPIRES: APRIL 4, 2002

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AIR POLLUTION OPERATING PERMIT

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Koch Materials Company
Tier II Operating Permit
Boise, Idaho

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SOURCE

Fuel Burning Equipment, Boilers, and Hot Oil Heater

3. MONITORING AND RECORDKEEPING REQUIREMENTS

3.1 Operation Parameter Recordkeeping

The Permittee shall record the following parameters in a log to verify compliance with Sections 2.1, 2.2 and 2.3 of this permit. The log shall be kept at the facility for the most recent two (2) years. The log shall be made available to DEQ representatives upon request.

3.1.1 Total natural gas consumed by the boilers and hot oil heater monthly.

3.1.2 Total #1 or #2 fuel oil consumed by the boilers monthly.

3.2 Exceedence Reporting of Operational Parameters

All excess emissions shall be handled in accordance with IDAPA Sections 130 through 136.

3.3 Certification of Documents

All documents, including, but not limited to, progress reports, records, monitoring data, supporting information requests for confidential treatment, testing reports, or compliance certifications shall contain a certification by a responsible official in accordance with IDAPA 16.01.01.123. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete. The certification shall provide the signature and title of the responsible official and the date of the signature.

ISSUED: APRIL 4, 1997
EXPIRES: APRIL 4, 2002

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AIR POLLUTION OPERATING PERMIT

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Koch Materials Company
Tier II Operating Permit
Boise, Idaho

001 - 00049

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Storage Tanks

1. EMISSION LIMITS

1.1 Volatile Organic Compounds

The volatile organic compounds (VOCs) emissions emanating from the storage tanks shall not to exceed any corresponding rate limit listed in Appendix A of this permit.

2. OPERATING REQUIREMENTS

2.1 The Permittee shall install, maintain, and operate tanks according to the manufacturer's specifications.

2.2 The Permittee shall not exceed the combined annual throughput for the tanks of 1,173,000,000 gallons asphalt, 400,000,000 gallons asphalt emulsion, 30,000,000 gallon cutback asphalt, 2,250,000 gallons Kerosene, 2,250,000 gallons #2 fuel oil, and 9,000,000 gallons of naphtha.

3. MONITORING AND RECORDKEEPING REQUIREMENTS

3.1 Throughput Monitoring

The Permittee shall monitor and record at the end of each month the monthly throughput and type of material for the tanks, and the total throughput and type of material for the tanks over the most recent twelve (12) month period to demonstrate compliance with Sections 2.1, 2.2, and 2.3 of this permit section. This record shall be recorded in a log kept at the facility for the most recent two (2) year period. The log shall be made available to DEQ representatives upon request.

3.2 Exceedence Reporting of Operational Parameters

All excess emissions shall be handled in accordance with IDAPA Sections 130 through 136.

3.3 Certification of Documents

All documents, including, but not limited to, progress reports, records, monitoring data, supporting information requests for confidential treatment, testing reports, or compliance certifications shall contain a certification by a responsible official in accordance with IDAPA 16.01.01.123. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete. The certification shall provide the signature and title of the responsible official and the date of the signature.

ISSUED: APRIL 4, 1997
EXPIRES: APRIL 4, 2002

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Boise, Idaho

001 - 00049

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SOURCE

Loading Racks

1. EMISSION LIMITS

The volatile organic compounds (VOCs) emissions emanating from the storage tanks shall not to exceed any corresponding rate limit listed in Appendix A of this permit.

2. OPERATING REQUIREMENTS

The Permittee shall not exceed the annual product volume of 50,000,000 gallons of asphalt cement, 50,000,000 gallons of asphalt emulsion, and 15,000,000 gallons of cutback asphalt through the respective loading racks on a rolling twelve (12) month basis.

3. MONITORING REQUIREMENTS

The Permittee shall monitor and record at the end of each month the monthly product volume and type of material through each loading rack, and the total product volume and type of material through each loading rack over the most recent twelve (12) period to demonstrate compliance with Section 2.1 of this permit section. This record shall be recorded in a log kept at the facility for the most recent two (2) year period. The log shall be made available to DEQ representatives upon request.

4. REPORTING REQUIREMENTS

4.1 Exceedence Reporting of Operational Parameters

Startup, Shutdown, Scheduled Maintenance, Safety Measures, Upset and Breakdown. The purpose of Sections 130 through 136 is to establish procedures and requirements for excess emissions events due to startup, shutdown, scheduled maintenance, safety measures, upset and breakdowns in accordance with IDAPA 16.01.01.130.

4.2 Certification of Documents

All documents, including, but not limited to, progress reports, records, monitoring data, supporting information requests for confidential treatment, resting reports, or compliance certifications shall contain a certification by a responsible official in accordance with IDAPA 16.01.01.123. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete. The certification shall provide the signature and title of the responsible official and the date of the signature.

ISSUED: APRIL 4, 1997
EXPIRES: APRIL 4, 2002

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AIR POLLUTION OPERATING PERMIT

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Koch Materials Company
Tier II Operating Permit
Boise, Idaho

001 - 00049

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SOURCE

APPENDIX A

KOCH MATERIALS COMPANY - BOISE

HOURLY (lb/hr) AND ANNUAL (T/yr) POINT SOURCE EMISSION LIMITS*

SOURCE	PM		CO		NO _x		SO _x		VOC	
	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr
Boiler #1 (NG)	0.18	0.80	0.47	2.05	1.88	8.22	0.009	0.34	0.04	0.16
Boiler #1 (Oil)	0.20	0.89	0.51	2.21	2.02	8.86	7.28	31.39	0.02	0.09
Boiler #2 (NG)	0.18	0.80	0.47	2.05	1.88	8.22	0.009	0.34	0.04	0.16
Boiler #2 (Oil)	0.20	0.89	0.51	2.21	2.02	8.86	7.28	31.39	0.02	0.09
Hot Oil Heater	0.07	0.32	0.13	0.55	0.60	2.63	.005	0.32	0.03	0.14
Accumulated Tank Emissions									10.5	46.0
Loading Racks										
Asphalt Cement										
Asphalt Emulsion										
Cutback Asphalt (MC)										
Accumulative Loading Racks									7.2	31.5

- a. As determined by a pollutant specific U.S. EPA reference method, DEQ approved alternative, or as determined by DEQ's emission estimation methods used in the permit application analysis.

ISSUED: APRIL 4, 1997
EXPIRES: APRIL 4, 2002

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OPERATING PERMIT GENERAL PROVISIONS

- A. All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission of any pollutant in excess of the limitations specified herein, or noncompliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit and the Rules for the Control of Air Pollution in Idaho, and the Environmental Protection and Health Act, Idaho Code 39-101 et. seq.
- B. The Permittee shall at all times (except as provided in the Rules for the Control of Air Pollution in Idaho) maintain in good working order and operate as efficiently as practicable, all treatment or control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable laws for the control of air pollution.
- C. The Permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
- 1) To enter upon the Permittee's premises where an emission source is located, or in which any records are required to be kept under the terms and conditions of this permit; and
 - 2) At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit, to inspect any monitoring methods required in this permit, and to require stack emission testing (i.e., performance tests) in conformance with state approved or accepted EPA procedures when deemed appropriate by the Director.
- D. Except for data determined to be confidential under Section 39-111, Idaho Code, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Division of Environmental Quality.
- E. Nothing in this permit is intended to relieve or exempt the Permittee from compliance with any applicable federal, state, or local law or regulation, except as specifically provided herein.
- F. In the event of any change in control or ownership of source(s) from which the authorized emissions emanate, the Permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Director.
- G. This permit shall be renewable on the expiration date, provided the Permittee submits any and all information necessary for the Director to determine the amount and type of air pollutants emitted from the equipment for which this permit is granted. Failure to submit such information within sixty (60) days after receipt of the Director's request shall cause the permit to be voided.
- H. The Director may require the Permittee to develop a list of Operation and Maintenance Procedures which must be approved by DEQ. Such list of procedures shall become a part of this permit by reference, and the Permittee shall adhere to all of the operation and maintenance procedures contained therein.

ISSUED: APRIL 4, 1997
EXPIRES: APRIL 4, 2002

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- I. Performance tests (i.e.; air emission source tests) conducted pursuant to testing requirements in this permit must be conducted in accordance with DEQ's Procedures Manual for Air Pollution Control. Such testing shall not be conducted on weekends or state holidays unless the Permittee obtains prior DEQ approval.

The Permittee shall submit a test protocol and a proposed test date for each performance test required by this permit to DEQ for approval at least thirty (30) days prior to each respective test date (including each test date for periodic tests such as, for example, annual tests). The Permittee shall promptly notify DEQ of any change in the proposed test date and shall provide at least five (5) working days advanced notice prior to conducting any rescheduled test, unless DEQ approves a shorter notice period.

Within forty-five (45) days of the date on which a performance test required by this permit is concluded, the Permittee shall submit to DEQ a performance test report for the respective test. The performance test report shall include any and all process operating data required to be recorded during the test period as well as the test results, raw test data, and associated documentation.

The maximum allowable source operating rate shall be limited to 120% of the average operating rate attained during the most recent performance test conducted pursuant to this permit which demonstrated compliance with the respective pollutant emission limit unless; (1) a more restrictive operating limit is specified elsewhere in this permit or; (2) at such an operating rate, emissions would exceed any emission limit(s) set forth in this permit.

- J. The provisions of this permit are severable; and if any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

ISSUED: APRIL 4, 1997
EXPIRES: APRIL 4, 2002

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